ELSEVIER

Physiology & Behavior 75 (2002) 775–780

PHYSIOLOGY & BEHAVIOR

CONTENTS
VOLUME 75, 2002

Articles

Effect of chronic and acute stress on ectonucleotidase activities in spinal cord
TORRES, I.L.S., A. BUFFON, P.P. SILVEIRA, M.Z.D. DUARTE, M.G. BASSANI, S.S. OLIVEIRA, A.M.O. BATTASTINI, J.J.F. SARKIS, C. DALMAZ AND M.B.C. FERREIRA 1

The control of water and sodium chloride intake by postingestional and orosensory stimulation in water-deprived rats
DAVIS, J.D., G.P. SMITH AND D.P. MCCANN 7

Spatial memory deficit and emotional abnormality in OLETF rats
LI, X.-L., S. AOU, T. HORI AND Y. OOMURA 15

Neuroendocrine control of urine-marking behavior in male rats
MANZO, J., L.I. GARCIA, M.E. HERNANDEZ, P. CARRILLO AND P. PACHECO 25

Anatomical and physiological characteristics of perineal muscles in the female rabbit
CRUZ, Y., R. HUDSON, P. PACHECO, R.A. LUCIO AND M. MARTÍNEZ-GÓMEZ 33

Effects of long-term ingestion of aspartame on hypothalamic neuropeptide Y, plasma leptin and body weight gain and composition
BECK, B., A. BURLET, J.-P. MAX AND A. STRICKER-KRONGRAD 41

Dissociation of the effects of nucleus raphe obscurus or rostral ventrolateral medulla lesions on eliminatory and sexual reflexes
HOLMES, G.M., G.E. HERMANN, R.C. ROGERS, J.C. BRESNAHAN AND M.S. BEATTIE 49

Experience-induced changes in taste identification of monosodium glutamate
KOBAYASHI, C. AND L.M. KENNEDY 57

Age-dependent decline in locomotor activity in dogs is environment specific
SIWAK, C.T., H.L. MURPHEY, B.A. MUGGENBURG AND N.W. MILGRAM 65

Effect of orosensory stimulation on postprandial thermogenesis in humans
TITTELBACH, T.J. AND R.D. MATTES 71

Effects of learned flavour cues on short-term regulation of food intake in a realistic setting
ZANDSTRA, E.H., K. STUBENITSKY, C. DE GRAAF AND D.J. MELA 83

Interaction of photoperiod and testes development is associated with paternal care in *Microtus pennsylvanicus* (meadow voles)
PARKER, K.J. AND T.M. LEE 91

Ingestional responses to metabolic challenges in rats selectively bred for high and low saccharin intake
VANDERWEELE, D.A., N.K. DESS AND T.W. CASTONGUAY 97

Physical limitations of the TOBEC method: accuracy and long-term stability
ROBIN, J.-P., A. HEITZ, Y. LE MAHO AND J. LIGNON 105

PII: S0031-9384(02)00737-4

Stressful and behavioral conditions that affect reversible cardiac arrest in the Nile tilapia, *Oreochromis niloticus* (Teleostei)
IDE, L.M. AND A. HOFFMANN 119

Physiological and behavioral effects of different success during social confrontation in pigs with prior dominance experience
OTTEN, W., B. PUPPE, E. KANITZ, P.C. SCHÖN AND B. STABENOW 127

Predictable stress promotes place preference and low mesoaccumbens dopamine response
ORSINI, C., R. VENTURA, F. LUCCHESE, S. PUGLISI-ALLEGRA AND S. CABIB 135

Diet choice exaggerates food hoarding, intake and pup survival across reproduction
DAY, D.E., E.M. MINTZ AND T.J. BARTNESS 143

Leptin responsiveness in mice that ectopically express agouti protein
HARRIS, R.B.S., T.D. MITCHELL AND R.L. MYNATT 159

Rapid noninvasive measurement of hormones in transdermal exudate and saliva
COOK, C.J. 169

The influence of polysomnography on the Multiple Sleep Latency Test and other measures of daytime sleepiness
WICHNIAK, A., P. GEISLER, F. TRACIK, T. CRÖNLEIN, S.P. MORRISSEY AND J. ZULLEY 183

Serum leptin level and restrained eating: study with the Eating Disorder Examination
ADAMI, G., A. CAMPOSTANO, F. CELLA AND G. FERRANDES 189

Hepatic vagotomy disrupts somatotropin-induced protein selection
PHOSITLIMPAGUL, A., G.L. EDWARDS AND M.J. AZAIN 193

Iron metabolism in boys involved in intensive physical training
SPODARYK, K. 201

Involvement of corticosterone in cardiovascular responses to an open-field novelty stressor in freely moving rats
VAN DEN BUUSE, M., S.A.B.E. VAN ACKER, M.F.J. FLUTTERT AND E.R. DE KLOET 207

Immediate and long-lasting effects of chronic stress in the prepubertal age on the startle reflex
MASLOVA, L.N., V.V. BULYGINA AND N.K. POPOVA 217

Energy metabolism in women during short exposure to the thermoneutral zone
WESTERTERP-PLANTENGA, M.S., W.D. VAN MARKEN LICHTENBELT, C. CILISSEN AND S. TOP 227

Lingual and biting responses to selected lipids by the lizard *Podarcis lilfordi*
COOPER JR., W.E., V. PÉREZ-MELLADO AND L.J. VITT 237

The effects of hypoglycemia and ethanol on rat performance in the radial-arm maze
DUNCAN, P.M. AND M.A. GAFFNEY 243

Heart rate variability: a noninvasive approach to measure stress in calves and cows
MOHR, E., J. LANGBEIN AND G. NÜRNBERG 251

Involvement of neuronal nitric oxide synthase in restraint stress-induced fever in rats
SANCHES, D.B., A.A. STEINER AND L.G.S. BRANCO 261

CONTENTS VOLUME 75 NUMBER 3 2002

Brief communication

The reproducibility of power spectrum analysis of heart rate variability before and after a standardized meal
DIONNE, I.J., M.D. WHITE AND A. TREMBLAY 267

Articles

Effect of the 5-HT_{1A} receptor agonist 8-OH-DPAT on food and water intake in chickens
SAADOUN, A. AND M.C. CABRERA 271

Social stress in male mice impairs long-term antiviral immunity selectively in wounded subjects
DE GROOT, J., W.J.A. BOERSMA, J.W. SCHOLTEN AND J.M. KOOLHAAS 277

Testosterone rapidly affects the expression of copulatory behavior in house mice (*Mus musculus*)
JAMES, P.J. AND J.G. NYBY 287

Evidence that appetitive responses for dehydration and food-deprivation are learned
CHANGIZI, M.A., R.M.F. MCGEHEE AND W.G. HALL 295

Influence of genetic taste sensitivity to 6-*n*-propylthiouracil (PROP), dietary restraint and disinhibition on body mass index in middle-aged women
TEPPER, B.J. AND N.V. ULLRICH 305

Intake and hedonics of calcium and sodium during pregnancy and lactation in the rat
LESHEM, M., T. LEVIN AND J. SCHULKIN 313

Megestrol acetate increases short-term food intake in zinc-deficient rats
WILLIAMSON, P.S., J.D. BROWNING AND R.S. MACDONALD 323

Efficacy of a 'functional energy drink' in counteracting driver sleepiness
REYNER, L.A. AND J.A. HORNE 331

Electrophysiological analysis of rhythmic jaw movements in the freely moving mouse
KOBAYASHI, M., Y. MASUDA, Y. FUJIMOTO, T. MATSUYA, K. YAMAMURA, Y. YAMADA, N. MAEDA AND T. MORIMOTO 377

Conditioned taste aversion using four different means to deliver sucrose to rats
YAMAMOTO, J., N. FRESQUET AND G. SANDNER 387

Responsivity to NPY and melanocortins in obese OLETF rats lacking CCK-A receptors
MORAN, T.H., P. LEE, E.E. LADENHEIM AND G.J. SCHWARTZ 397

Behavioral and magnetic resonance spectroscopic studies in the rat hyperserotonemic model of autism
KAHNE, D., A. TUDORICA, A. BORELLA, L. SHAPIRO, F. JOHNSTONE, W. HUANG AND P.M. WHITAKER-AZMITIA 403

Carbohydrate to protein ratio in food and cognitive performance in the morning
FISCHER, K., P.C. COLOMBANI, W. LANGHANS AND C. WENK 411

Increased hypothalamic neuropeptide Y expression in deprived preweanling rats is reversed by intragastric infusion of milk
KOWALSKI, T.J., A.M. STER AND G.P. SMITH 425

Erratum

Erratum to 'Gastric capacity in normal, obese, and bulimic women'
GELIEBTER, A. AND S.A. HASHIM 433

CONTENTS VOLUME 75 NUMBER 4 2002

Articles

Paradoxical effects of hedonic disparities in negative anticipatory contrast
MOSS, N.D., J.C. CLARKE AND E.J. KEHOE 435

Ingestion of hypertonic NaCl vs. palatable drinks by sodium-depleted rats
NOZAKI, P.N., D.T.B. PEREIRA, F.V. MOURA, J.V. MENANI AND L.A. DE LUCA JR. 443

Passive avoidance response in mice infected with *Schistosoma mansoni*
FIORE, M., C. CARERE, R. MORONI AND L. ALOE 449

Glucocorticoid feedback increases the sensitivity of the limbic system to stress
COOK, C.J. 455

Spontaneous recovery of tolerance to the analgesic effect of morphine
MILLIN, P.M. AND D.C. RICCIO 465

Energy metabolism and expression of uncoupling proteins 1, 2, and 3 after 21 days of recovery from intracerebroventricular mouse leptin in rats
GULLICKSEN, P.S., W.P. FLATT, R.G. DEAN, D.L. HARTZELL AND C.A. BAILE 473

Food intake and neuronal activation after acute 2DG treatment are attenuated during lactation
ABIZAID, A. AND B. WOODSIDE 483

Maternal behavior in F344/N and LEW/N rats: Effects on carrageenan-induced inflammatory reactivity and body weight
GOMEZ-SERRANO, M.A., E.M. STERNBERG AND A.L. RILEY 493

Rat sex and strain differences in responses to stress
FARADAY, M.M. 507

Melatonin promotes sleep in three species of diurnal nonhuman primates
ZHDANOVA, I.V., D.A. GEIGER, A.L. SCHWAGERL, O.U. LECLAIR, R. KILLIANY, J.A. TAYLOR, D.L. ROSENE, M.B. MOSS AND B.K. MADRAS 523

Central administration of zinc reduces salt intake in rats
DE CASTRO-E-SILVA, E., H.S. FERREIRA, J. MAGRANI, G.F. SANTAMARIA AND J.B. FREGONEZE 531

Effects of withdrawal from anabolic androgenic steroids on aggression in adult male rats
MCGINNIS, M.Y., A.R. LUMIA AND B.P. POSSIDENTE 541

Nest building in nulligravid, primigravid and primiparous C57BL/6J and DBA/2J mice (*Mus musculus*)
BOND, T.L.Y., P.E. NEUMANN, W.B. MATHIESON AND R.E. BROWN 551

Exogenous testosterone, aggression, and mood in eugonadal and hypogonadal men
O'CONNOR, D.B., J. ARCHER, W.M. HAIR AND F.C.W. WU 557

Intake inhibition by NPY: Role of appetitive ingestive behavior and aversion
SEDERHOLM, F., A.A. AMMAR AND P. SÖDERSTEN 567

Protein is more potent than carbohydrate for reducing appetite in rats
BENSAÏD, A., D. TOMÉ, D. GIETZEN, P. EVEN, C. MORENS, N. GAUSSERES AND G. FROMENTIN 577

The effect of Type I diabetes on the eating patterns of free-living French: A diet diary study
DE CASTRO, J.M., F. BELLISLE, A.-M. DALIX AND G. SLAMA 583

Effects of amylin and salmon calcitonin on feeding and drinking behavior in pygmy goats
DEL PRETE, E., B. SCHADE, T. RIEDIGER, T.A. LUTZ AND E. SCHARRER 593

Book review

Biological Psychology: An Integrative Approach, by Frederick Toates
ROWLAND, N.E. 601

CONTENTS VOLUME 75 NUMBER 5 2002

Brief communication

Lithium-induced outcome devaluation in instrumental conditioning: Dose–effect analysis
PAREDES-OLAY, C. AND M. LÓPEZ 603

Articles

Food intake in rats is unaffected by the profile of dietary essential fatty acids
RICE, H.B. AND R.L. CORWIN 611

Opioid activity in behavioral and heart rate responses of tethered pigs to acute stress
LOIJENS, L.W.S., C.J.J.G. JANSSENS, W.G.P. SCHOUTEN AND V.M. WIEGANT 621

Behavioral characterization of the Tg2576 transgenic model of Alzheimer's disease through 19 months
KING, D.L. AND G.W. ARENDASH 627

Intra- and intertask relationships in a behavioral test battery given to Tg2576 transgenic mice and controls
ARENDASH, G.W. AND D.L. KING 643

Adrenocortical reactivity and central serotonin and dopamine turnover in young chicks from a high and low feather-pecking line of laying hens
VAN HIERDEN, Y.M., S.M. KORTE, E.W. RUESINK, C.G. VAN REENEN, B. ENGEL, G.A.H. KORTE-BOUWS, J.M. KOOLHAAS AND H.J. BLOKHUIS 653

Sex differences in behavioral and neurochemical profiles after chronic stress: Role of housing conditions
BECK, K.D. AND V.N. LUINE 661

Dissociation of stress behaviors in the chick social-separation-stress procedure
FELTENSTEIN, M.W., N.G. FORD, K.B. FREEMAN AND K.J. SUFKA 675

The influence of handling and isolation postweaning on open field, exploratory and maternal behavior of female rats
GENARO, G. AND W.R. SCHMIDEK 681

Developmental exposure to polychlorinated biphenyls affects sexual behavior of rats
WANG, X.Q., J. FANG, A.A. NUNEZ AND L.G. CLEMENS 689

Influences of early thyroid hormone manipulations: Delays in pup motor and exploratory behavior are evident in adult operant performance
BROSVIC, G.M., J.N. TAYLOR AND R.E. DIHOFF 697

Intramodal blocking between olfactory stimuli in rats
GIANNARIS, E.L., T.A. CLELAND AND C. LINSTER 717

Impact of maternal morphine and saline injections on behavioral responses to a cold water stressor in adult male and female progeny
ŠLAMBEROVÁ, R., C.J. SCHINDLER AND I. VATHY 723

Effects of thyroid hormone deficiency on behavior in rat strains with different predisposition to catalepsy
BARYKINA, N.N., V.F. CHUGUY, T.A. ALEKHINA, V.G. KOLPAKOV, A.V. MAKSIUTOVA AND A.V. KULIKOV 733

Modulation of cognition and mood following administration of single doses of *Ginkgo biloba*, ginseng, and a ginkgo/ginseng combination to healthy young adults
KENNEDY, D.O., A.B. SCHOLEY AND K.A. WESNES 739

Electrogustometric thresholds: Relationship to anterior tongue locus, area of stimulation, and number of fungiform papillae
MILLER, S.L., N. MIRZA AND R.L. DOTY 753

Aging facilitates long-trace taste-aversion conditioning in rats
MISANIN, J.R., M. COLLINS, S. RUSHANAN, M.J. ANDERSON, M. GOODHART AND C.F. HINDERLITER 759

Antidepressant reversal of interferon-α-induces anhedonia
SAMMUT, S., I. BETHUS, G. GOODALL AND R. MUSCAT 765

Corrigendum 775

Corrigendum to ' The effect of *Ginkgo biloba* on memory in healthy male volunteers' [Physiol Behav 73 (2001) 659–665]
MOULTON, P.L., L.N. BOYKO, J.L. FITZPATRICK AND T.V. PETROS 773

Contents of Volume 75 775

Author Index of Volume 75 781

Keyword Index of Volume 75 783